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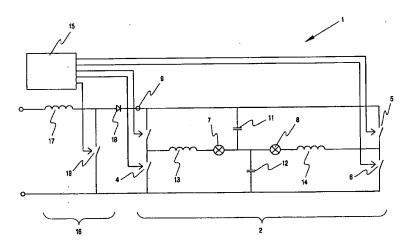
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(54) Title: DC/AC CONVERTER FOR SUPPLYING TWO GAS DISCHARGE LAMPS



(57) Abstract: The invention relates to a DC/AC converter for supplying two gas discharge lamps, comprising a double bridge configuration of four switch elements, a third series circuit interconnecting the input terminals comprising a first capacitor and a second capacitor with substantially equal capacitance, a first and a second gas discharge lamp connected to the bridge configuration, wherein an inductor is connected in series with each of the lamps and a control circuit for controlling the switch elements and which is adapted to control the conducting periods of the switches with a duty cycle which is variable. By control of the conducting periods of the switch elements a proper control of the energy supplied to the lamps is obtained. Of course care should be taken to avoid the simultaneous closure of the first and second switch elements and of the third and fourth switch elements to avoid short circuits.



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